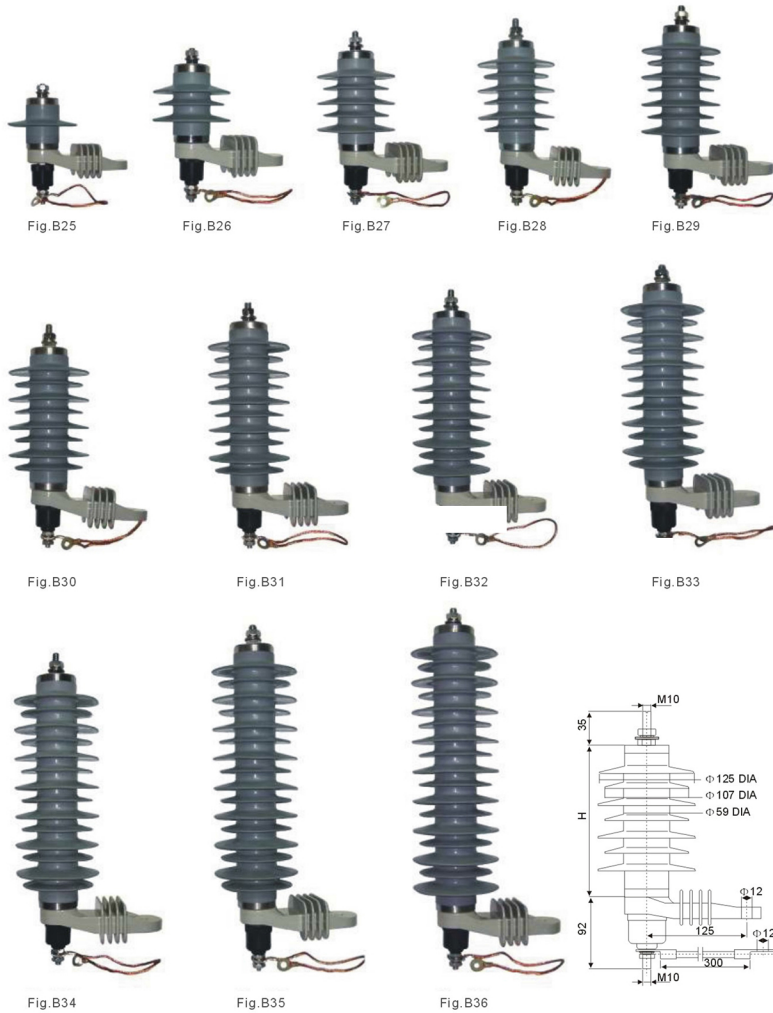


Metal-oxide Surge Arrester

YH5W,YH10W Series Polymer Housing Surge Arrester



Metal-oxide Surge Arrester

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Table 3-Main Technical Parameter of Polymer Housing Metal-oxide Surge Arrester

(Nominal Discharge Current:5kA)

Manufacturer		Ouwei Electric													
Rated Voltage(Ur)	KV	3	6	9	10	11	12	15	18	21	24	27	30	33	36
Nominal discharge current(In)	kA	5	5	5	5	5	5	5	5	5	5	5	5	5	5
1 Type		YH5W-3	YH5W-6	YH5W-9	YH5W-10	YH5W-11	YH5W-12	YH5W-15	YH5W-18	YH5W-21	YH5W-24	YH5W-27	YH5W-30	YH5W-33	YH5W-36
2 Maximum continuous operating voltage(Uc)	kV	2.55	5.10	7.65	8.40	9.35	10.20	12.70	15.30	17.00	19.50	22.00	24.40	26.70	29.00
3 Residual voltage at															
3.1 -Lightning impulse 8/20 μs	kV	8.2	16.4	24.6	27.0	29.9	32.8	41.0	45.0	54.0	63.0	72.0	81.0	90.0	99.0
3.2 -Steep current impulse 1/10 μs	kV	9.4	18.8	28.2	30.9	34.3	37.6	47.0	51.5	61.8	72.1	82.4	92.7	103.0	113.3
3.3 -Switching impulse 30/60 μs	kV	7.0	14.0	21.0	22.8	25.4	28.0	35.0	38.0	45.6	53.2	60.8	68.4	76.0	83.6
4 Long duration current impulse withstand															
4.1 -2ms rectangular current withstand	A	250	250	250	250	250	250	250	250	250	250	250	250	250	250
5 Operating duty															
5.1 -4/10 μs high current impulse withstand	kA	65	65	65	65	65	65	65	65	65	65	65	65	65	65
6 Housing insulation withstand															
6.1 -Lightning impulse	kV	40	60	65	75	85	95	105	120	125	135	155	170	185	190
6.2 -Power frequency. (Wet)	kV	20	25	30	30	40	40	50	55	58	60	65	70	75	85
7 Partial discharge	pC	<10													
8 Creepage distance	mm	120	240	369	369	432	432	510	576	693	780	837	975	1122	1188
9 Creepage distance/ rated voltage ratio	mm/kV	40.0	40.0	41.0	36.9	39.3	36.0	34.0	32.0	33.0	32.5	31.0	32.5	34.0	33.0
10 Mechanical section length("H")	mm	90	113	157	157	175	175	198	218	259	281	312	343	386	406
11 Shed number	PCS	1	3	5	5	6	6	7	8	10	11	12	14	16	17
12 Mechanical strength															
12.1 -Torsional	Nm	60	60	60	60	60	60	60	60	60	60	60	60	60	60
12.2 -Cantilever	N	147	147	147	147	147	147	147	147	147	147	147	147	147	147
13 Package data															
13.1 -Net weight of each unit	Kg	1.31	1.63	2.09	2.09	2.33	2.33	2.64	2.90	3.34	3.73	3.90	4.34	4.78	5.01
13.2 -Dimensions (PCS/CTN)	cm	31x41x29	33x41x29	37x41x29	37x41x29	39x41x29	39x41x29	41x41x29	43x41x29	48x41x29	50x41x29	53x41x29	56x41x29	60x41x29	62x41x29
14 Figure No.		Fig.B25	Fig.B26	Fig.B27	Fig.B27	Fig.B28	Fig.B28	Fig.B29	Fig.B30	Fig.B31	Fig.B32	Fig.B33	Fig.B34	Fig.B35	Fig.B36